Application No.: 10/553,739 Amendment under 37 C.F.R. §1.111

Art Unit: 2622 Attorney Docket No.: 052972

**REMARKS** 

Claims 1-7 are pending in the present application. Claims 1-7 are rejected. Claim 1 is

herein amended. No new matter is believed to have been entered through the claim amendment.

Further, upon belief, it is respectfully submitted that this paper is fully responsive to the

outstanding Office Action.

**Objections to the Drawings** 

The Examiner asserts that Figures 2 and 3 should be designated "Prior Art". The

Drawings are herein amended as appropriate. It is respectfully requested that the objection be

withdrawn.

Claim Rejections - 35 U.S.C. §102

Claims 1, 3-4 and 7 were rejected under 35 U.S.C. §102(b) as being anticipated by

Mizukami et al (US 5,956,098).

The rejection is respectfully traversed.

Claim 1 is herein amended to recited, "a filter for selecting and separating only a desired

wave, the filter being provided between the frequency converter circuit and the analog/digital

switching means; and gain control switching means for controlling gain of the high frequency

amplifier 9 in accordance with a gain control signal obtained from the analog demodulator 5

during an analog broadcast reception, while controlling gain of the high frequency amplifier 9 in

accordance with a gain control signal produced from the output signal from the frequency

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converter circuit without allowing the output signal to pass through the filter during a digital broadcast reception." It is respectfully submitted that the cited art fails to describe at least the aforementioned recitations of claim 1 of the present application.

Mizukami discloses that an output signal from mixers 40, 70 corresponding to the frequency converter circuit passes through a bandpass filter consisting of a SAW filter to extract only a desired wave during a digital broadcast reception (Mizukami; Fig. 7, column 4, lines 22-36). And a gain control signal is formed from the desired wave, and is supplied to a variable gain amplifier 30 by an AGC change-over switch 250 (Mizukami; column 5, lines 31-40).

Accordingly, an interference wave, which was contained in the output signal from the mixers 40, 70 is not contained in the gain control signal formed during the digital broadcast reception. So gain control is not performed based on the interference wave during the digital broadcast reception in Mizukami.

On the other hand, an analog/digital-compatible front-end module recited in claim 1 as amended comprises a filter for selecting and separating only the desired wave, but during the digital broadcast reception the gain control signal is formed from the output signal of the frequency converter circuit without allowing the output signal to pass through the filter.

As a result, the interference wave is contained in the gain control signal formed during the digital broadcast reception. So gain control is performed based on the interference wave during the digital broadcast reception.

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As mentioned above, claim 1 as amended in the present application is different from

Mizukami. Consequently, the Examiner cannot reject claims 1, 3, 4 and 7 under 35 U.S.C. §102

on the basis of Mizukami.

In view of the foregoing, it is respectfully submitted that the rejection is overcome.

Claim Rejections - 35 U.S.C. §103

Claims 2 and 5-6 were rejected under 35 U.S.C. §103(a) as being unpatentable over

Mizukami et al (US 5,956,098) in view of the admitted prior art (Fig. 2, pgs. 2-4 of the

Specification).

The rejection is respectfully traversed.

As mentioned above, claim 1 as amended in the present application is different from

Mizukami. Furthermore, as claims 2, 5 and 6 depend either directly or indirectly from

independent claim 1, the arguments presented above over Mizukami are applicable here where

appropriate.

Further, it is respectfully submitted that the asserted references (Mizukami and Related

Art), either alone or in combination, fail to teach or suggest at least the aforementioned

recitations of claim 1 of the present application. Consequently, the Examiner cannot reject

claims 2, 5 and 6 under 35 U.S.C. §103 on the basis of the references that the Examiner cited.

Separate and individual consideration of the dependent claims is respectfully requested.

In view of the foregoing, it is respectfully submitted that the rejection is overcome.

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In view of the aforementioned amendments and accompanying remarks, Applicant

submits that the claims, as herein amended, are in condition for allowance. Applicant requests

such action at an early date.

If the Examiner believes that this application is not now in condition for allowance, the

Examiner is requested to contact Applicant's undersigned attorney to arrange for an interview to

expedite the disposition of this case.

If this paper is not timely filed, Applicant respectfully petitions for an appropriate

extension of time. The fees for such an extension or any other fees that may be due with respect

to this paper may be charged to Deposit Account No. 50-2866.

Respectfully submitted,

WESTERMAN, HATTORI, DANIELS & ADRIAN, LLP

Joseph W. Iskra Attorney for Applicants

Registration No. 57,485

Telephone: (202) 822-1100

Facsimile: (202) 822-1111

JWI/jac

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